



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

C45-8-5

Job Sheet 178875



Part No: C45-8-5

Job Qty: 20 ea

Part Name: Solenoid Cover



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 6/8/18

Job Tracking No:

Due Date: 6/29/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: C45-8-5 REV.10 IPP REV:A 18.02.07 NEW ISSUE DD VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	20 Ea	6/29/18	6/29/18	0.00	0.00	Start Up Machining-4		J.C.L.
100	Bandsaw	20 pcs	6/29/18	6/29/18	0.08	1.67	Bandsaw1		J.C.L.
120	CNC Vertical Machining	20 pcs	6/29/18	6/29/18	1.50	10.00	MORI NV5000-1		J.C.L.
130	QC	20 pcs	6/29/18	6/29/18	0.00	0.00	QC2 Machining-5		J.C.L. 18-07-28
140	QC	20 pcs	6/29/18	6/29/18	0.00	0.00	QC8 Machining-5		K.A. 18-07-29
150	Outsource	20 pcs	6/29/18	6/29/18			ATG001-VC	10	CT 18-7-30
160	Packaging	20 pcs	6/29/18	6/29/18	0.00	0.00	Packaging2		AUG 03 2018
170	QC	20 pcs	6/29/18	6/29/18	0.00	0.00	QC6		
180	Small Fab	20 pcs	6/29/18	6/29/18	0.25	1.67	Small Fab-9		MCC DAS 8-89
190	QC	20 pcs	6/29/18	6/29/18	0.00	0.00	QC5		38
200	Packaging	20 pcs	6/29/18	6/29/18	0.00	0.00	Packaging3-2		MCC 9-89
210	QC21-FG	20 Ea	6/29/18	6/29/18	0.00	0.00	QC21		21 AUG 17 2018

Part Op 100 - 1-CUT BLANK AT 4.75" 2-***Please see PEC to change engraving batch # for every w/o***

Descriptions: 120 - 1-Machine as per folio FB827 FOLIO REV: _____ DWG REV: _____ 2-Deburr
150 - Issue P/O to ATG: 040641 -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant -Certificate of Conformity is required
180 - LASER ENGRAVE AS PER DWG

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M6061T6B2.250X4.000	6061T6 Bar 2.250 X 4.000	8 ft (.4 ea)	100-Bandsaw	5094 612

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100 Bandsaw	M6061T6B2.250X4.000	8	4	0



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaero.com

Part Specifications

Specifications could not be found.

Plex 6/8/18 1:07 PM Dart.lajeunesse.marie

Container No: S095491



Part: C45-8-5

Job No: 178875

Serial No/Batch: S095491

Revision: 10

Inspector:

Exp Date:

Instructions:

Date: 07/24/18

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

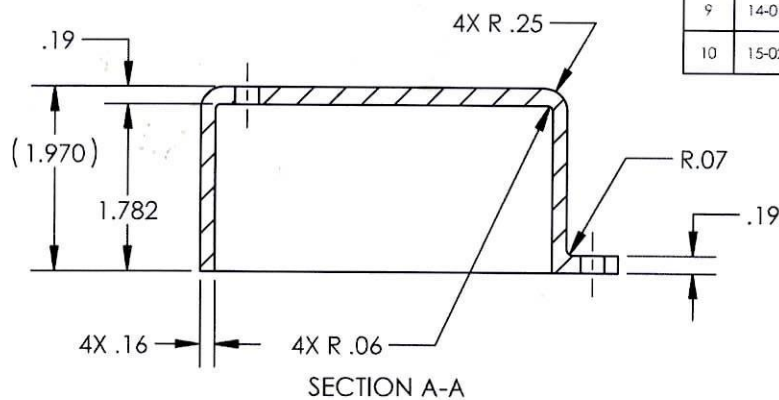


QA Closed: _____ Date: _____ Work Order up to _____ only

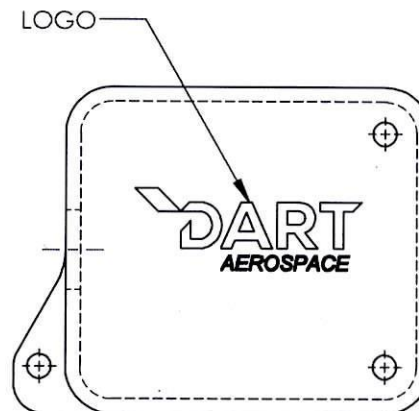
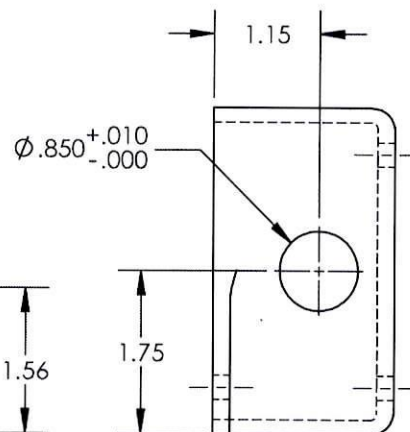
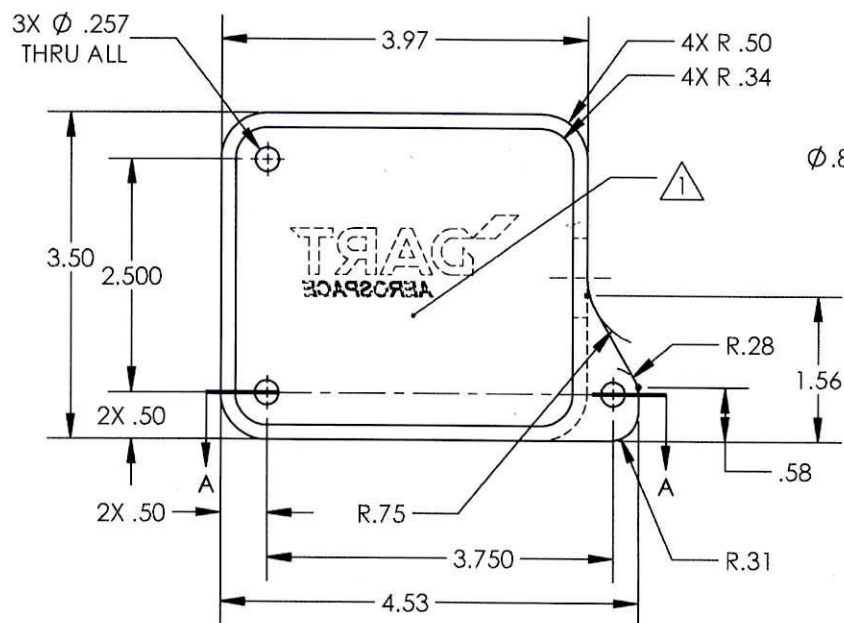
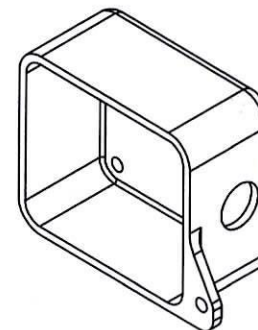
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐	
Date : _____	Step #: _____	QTY Effective : _____	1RB (C) _____ 12) Approval _____
Description Work Order Deviation		Disposition	
		Completed By _____	
		Lead hand / Supervisor Approval Verification _____	
		QC / QA Coordinator Approval _____	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	
OTHER : _____			

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
7		AS DRAWN BY CANAM.	9/13/2012	JAG	
8		CH'D LOGO, DELETED FINISH 250, DELETED TOLERANCE FROM Ø.820 HOLE.	10/23/2012	JAG	
9	14-0126	CH'D TITLE BLOCK WAS RED BARN IS DART. CH'D LOGO WAS RED BARN IS DART. ADDED MACHINE ENGRAVE NOTE. CH'D DIM WAS 1.970 IS (1.970). CH'D TOLERANCE ON NON-CRITICAL DIMENSIONS.	8/13/2014	DPD	RW
10	15-0222	UPDATED TO NEW DRAFTING STANDARDS. CH'D DIM WAS Ø.820 IS Ø.850 +.010 -.000. CH'D TOLERANCE ON NON-CRITICAL DIMENSIONS.	8/24/2015	DPD	JAG



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 178875 M/L
180608



NOTE:
1 MACHINE ENGRAVE BATCH NUMBER.

DART AEROSPACE	
TITLE SOLENOID COVER C45-HOOK	
DWG NO. C45-8-5	REV 10
MAT'L 6061	DRAWN BY: CANAM
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D West</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH BLACK ANODIZE
.X ± .1	SPEC MIL-A-8625F, TYPE II, CLASS II
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:2	DATE 5/15/1997 SHEET 1 OF 1

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS
			C45-8-5	1	SOLENOID COVER	6061	

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐			FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		
OTHER : ☐					



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO040641**

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO040641

PO Date: 7/30/18

Due Date: 8/8/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	178875	C45-8-5	Solenoid Cover -Issue P/O to ATG: -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant -Certificate of Conformity is required	Firmed	-	8/8/18	20 pcs	0 pcs	20 pcs	\$8.20/pcs	\$164.00
2	180050	D5355-041	Aft Clamp Assembly : Various STC's Issue P/O to ATG : Black Anodize as per Dwg D5355 Certification of Conformity is required.	Firmed	-	8/8/18	4 pcs	0 pcs	4 pcs	\$6.45/pcs	\$25.80
3	181174	647.0310	Channel Issue P/O to ATG : Hard Anodize Black / Prime as per Dwg 647.0300	Firmed	-	8/16/18	20 pcs	0 pcs	20 pcs	\$14.30/pcs	\$286.00

Line Item Note ** urgent **

Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	181151	RBD29904	Hoist Adapter "D" Model -Issue P/O to ATG; PO -ANODIZE COLOR RED, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Certificate of Conformity is required	Firmed	-	8/8/18	3 pcs	0 pcs	3 pcs	\$28.20/pcs	\$84.60
Grand Total:											\$560.40

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A022 Apical Processing

A024 process certifications

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 8/3/18 10:33 AM dart.tsimiklis.chrisoula



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 915738

Date: 03-Aug-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chris Oula Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
20 ea	Part: C45-8-5 ✓ Solenoid Cover Anodize per MIL-A-8625F, Type II, Class 2, Black, .0004-.0010" (.4 - 1 mils). Water Sealant Job: 23528	Rev: 10	DAE 38 9-89
		PO: PO040641	Line: 1
3 ea	Part: RBD29904 ✓ Hoist Adapter "D" Model Red anodize per MIL-A-8625 Type 2 Class 2 (as per e-mail from Michael Lee) Job: 23533	Rev:	
		PO: PO040641	Line: 2
4 ea	Part: D5355-041 ✓ Aft Clamp Assembly Black Anodize per MIL-A-8625F, Type II, Class 2, .0004-.0010" (.4 - 1 mils) Job: 23532	Rev: C	
		PO: PO040641	Line: 3
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>03/08/2018</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.			
Made in Canada.			